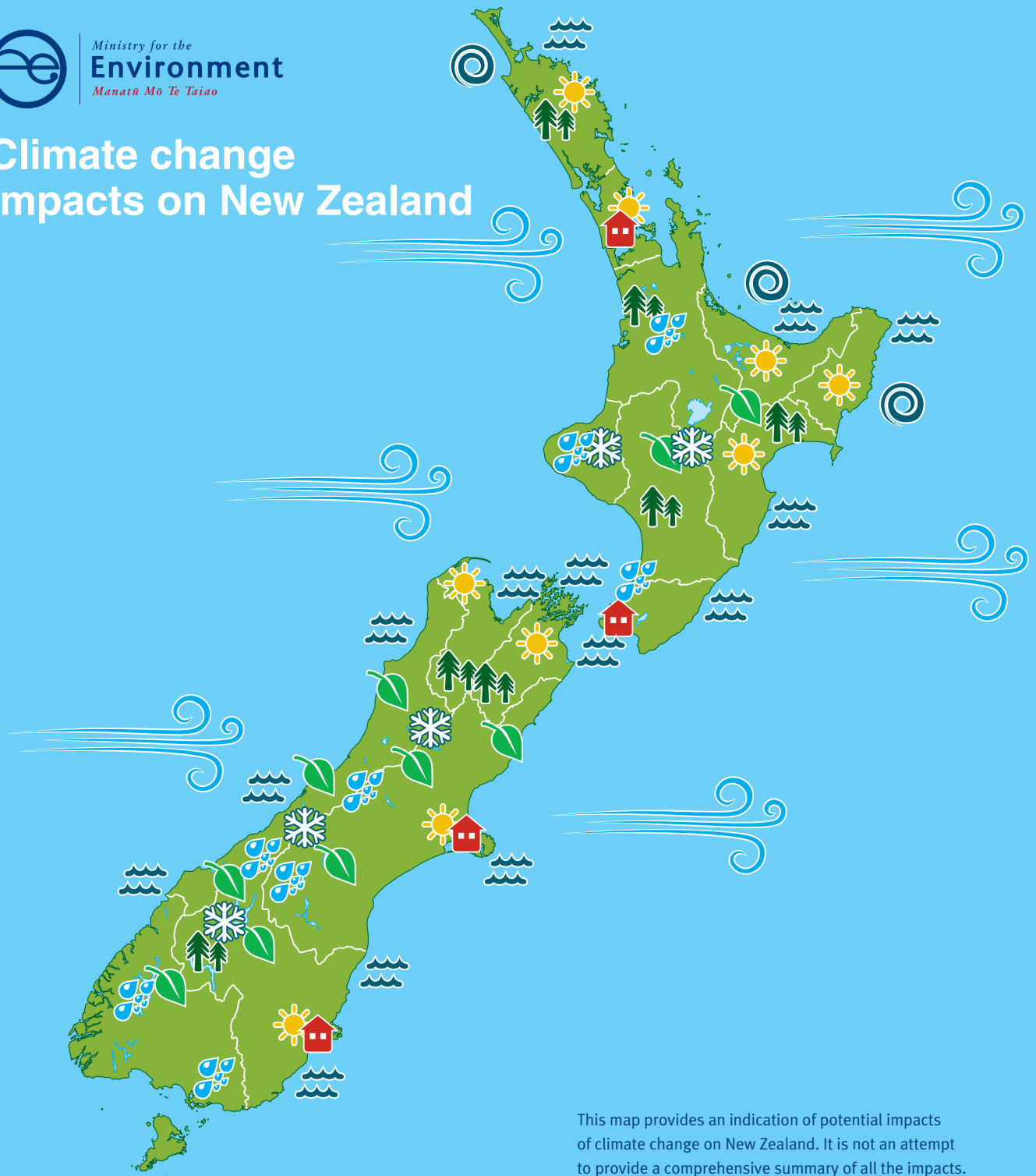




Climate change impacts on New Zealand



This map provides an indication of potential impacts of climate change on New Zealand. It is not an attempt to provide a comprehensive summary of all the impacts.

Key



Urban

- Warmer winters
-> less illnesses
- Warmer summers
-> increased heat stress
- Decreased electricity use in winter (less heating)
- Increased electricity use in summer (more air-conditioning)



Snowlines and glaciers

- Changes in length and area of glaciers
- Rise in snowline
- Possible increase in snowfall
- Possible increase in avalanches



Wetter

- Increased precipitation
- Increased intensity in weather events
- Increased flooding for already flood-prone areas
- Increased slips
- Increased soil erosion



Ex-tropical cyclones*

- Increased intensity
-> increased wind, waves, storm surge and rainfall
- * Tropical cyclones, in travelling to NZ change their character, becoming slightly less intense but causing damage over a much wider area



Drier

- Less rainfall
- Decreased run-off to rivers
- Increased evaporation
- Increased drought for already drought-prone areas
- Increased irrigation demand



Commercial forests

- Increased growth rates
- Increased geographic range
- Increased winds
-> increased damage to forests
- Increased temperatures
-> increased pests



Natural areas

- Species distribution changes
- Changes to/loss of habitat
- Increased pressure from pests, animals and plants



Coastal

- Sea level rise
- Increased storm surge
- Coastal inundation
- Increased coastal erosion



Wind

- Increased westerly winds